RMS
RemoteManager Software

User Manual

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※ Functions or configurations are subject to be changed or modified without prior notice.

Server : H.264 DVR
1st Edition : 20 Aug 2008
1st Revision : 02 Apr 2009
2nd Edition : 01 Mar 2010

Thank You !

Before operating the system, please read this User Manual and retain it for future reference.

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1. System Startup

RMS (RemoteManager Software) is the standard remote management software that offers user full flexibility to control the entire system over the network. This software provides many essential functions such as Live Monitoring up to 16 channels, VOD Playback with Intelli-Search Bar, Live & VOD Backup and Built-In Backup Player.

1.1 System Requirement

[Recommended Specification]

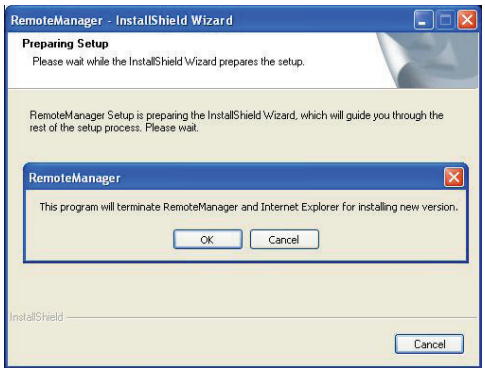
Category	Content
OS	Windows XP / Vista / 7
CPU	Pentium Dual core 1.8GHz or Higher
RAM	1GB
VGA	1024×768, 24bit color, DirectX support 256MB or Over
HDD	20MB free space for installation 10GB free space for Remote Backup

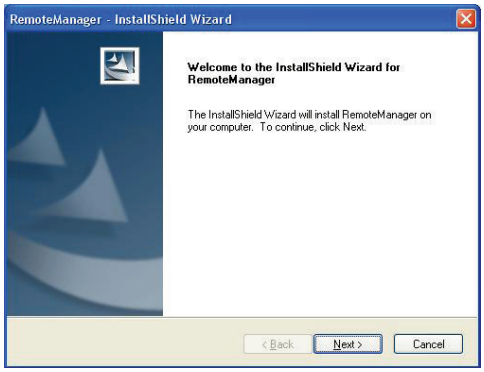
[Minimum Specification]

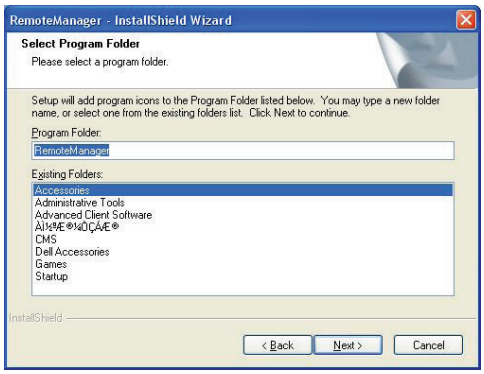
Category	Content
OS	Windows XP / Vista / 7
CPU	Pentium Ⅳ 2GHzor Higher
RAM	512MB
VGA	1024×768, 24bit color 64MB video memory or Over
HDD	20MB free space

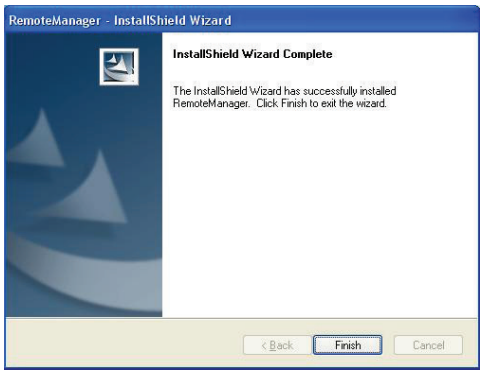
1.2 Software Installation

User can find “RemoteManagerSetpup.exe” file on CD and click it to start the installation of RMS software. User can easily set up this program by InstallShield Wizard as below, which is for user to simply click “next” buttons.


RemoteManager - InstallShield Wizard
Preparing Setup
Please wait while the InstallShield Wizard prepares the setup.
RemoteManager Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
RemoteManager
This program will terminate RemoteManager and Internet Explorer for installing new version.
OK
Cancel
InstallShield
Cancel


RemoteManager - InstallShield Wizard
Welcome to the InstallShield Wizard for RemoteManager
The InstallShield Wizard will install RemoteManager on your computer. To continue, click Next.
< Back
Next >
Cancel




RemoteManager - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed RemoteManager. Click Finish to exit the wizard.
< Back
Finish
Cancel

Upon clicking “Finish” button as above, user can find the RMS icon

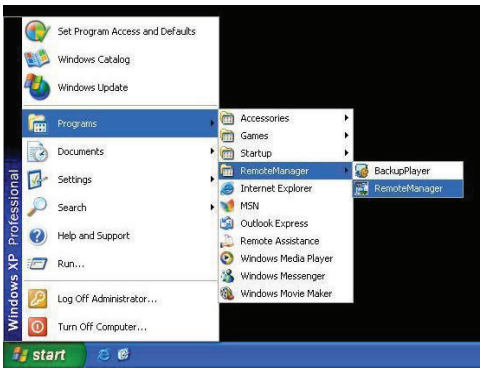
created on desktop window. After initial installation, user can click this icon to execute RMS software.

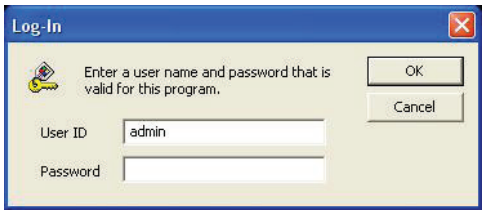
Note RMS program is located in “C:\Program Files\RemoteManager” as default unless user changes its folder during program installation.

1.3 System Startup

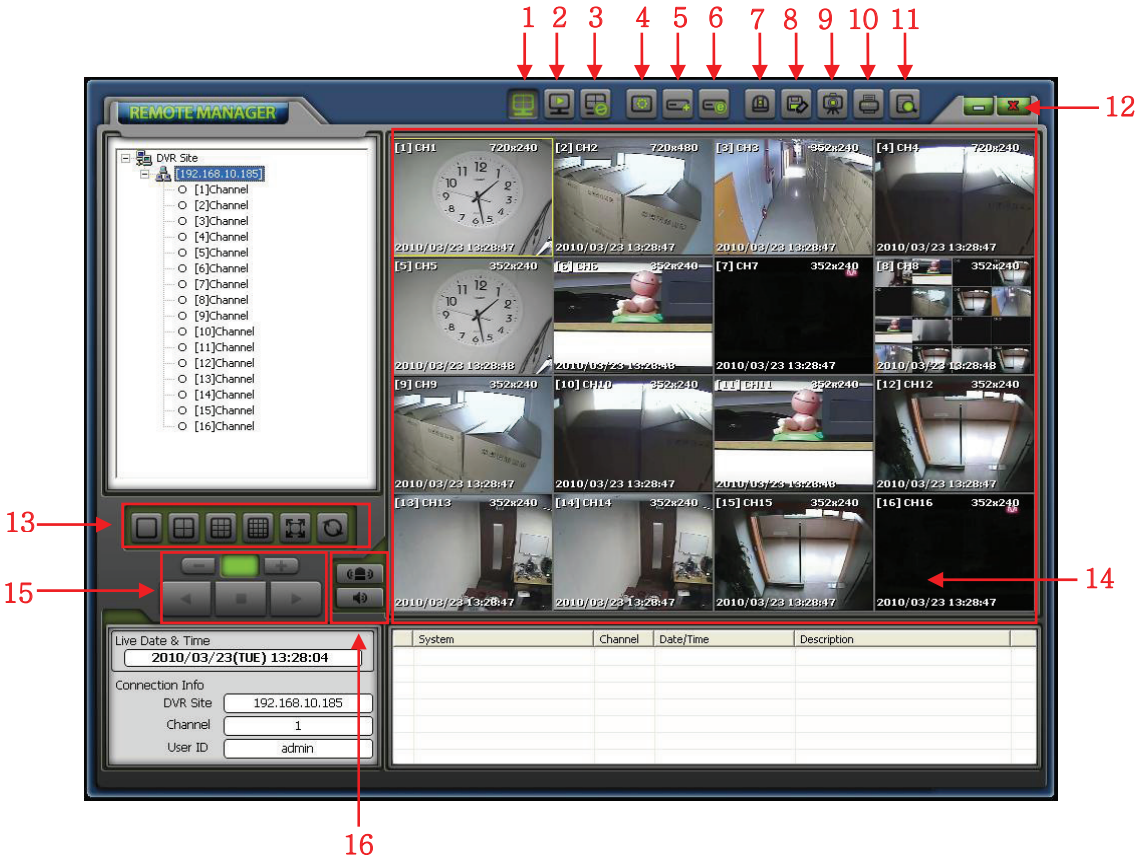
Click the RMS icon on desktop window or “RemoteManager” from Start menu to get the RMS login window as below.
Input the correct “User ID” and “Password” in the login box, then, RMS software will be executed.
Create Password for Administrator when the first login.

Default User ID and Password are “**admin**” and “**blank**", which is the highest level of authority for the operation of RemoteManager software.



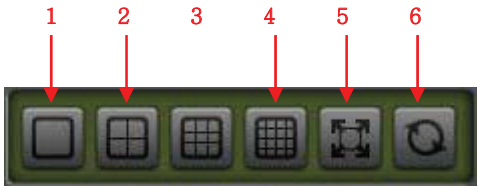


1.4 Main Screen



1)	**Live Mode**	: View live image
2)	**VOD Playback Mode**	: Playback recorded image
3)	**Disconnect All**	: Close the network connection for all channels
4)	**Option Setting**	: Setup various options
5)	**Site Registration**	: Add and modify site information
6)	**Remote Configuration**	: Remote DVR setup
7)	**PTZ Camera Control**	: Control camera PTZ & focus
8)	**Network Backup**	: Live Mode >> Save live image into P/C Playback Mode >> Save VOD data into PC
9)	**Save This Scene**	: Save still image into P/C
10)	**Print This Scene**	: Print out still image
11)	**Log View**	: Search log event
12)	**Exit**	: Close RMS software
13)	**Display Screen**	: Change display mode

Note



(1) 1-Ch display
(2) 4-Ch display
(3) 9-Ch display
(4) 16-Ch display
(5) Full screen mode
Click “ESC” to return to previous screen mode
(6) Sequence (Screen rotation)
Switching interval can be set at the menu of [Setting > Remote Options > Screen Switching Interval].

14) Channel Screen : Image display

Position the mouse cursor on image and click left-button, then yellow edge line of selected channel shows. Click right-button of mouse to get the pop-up menu as below.

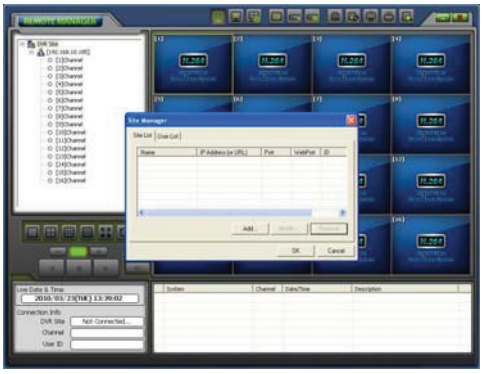
15) Playback button
16) Alarm and Audio button

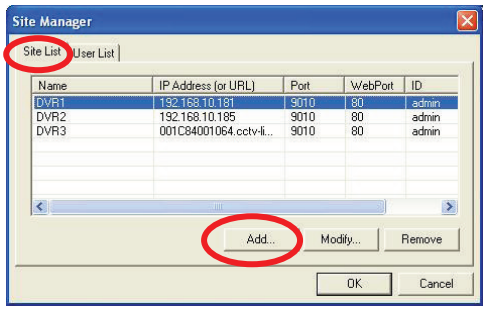
2. System Setting

2.1 Site Registration

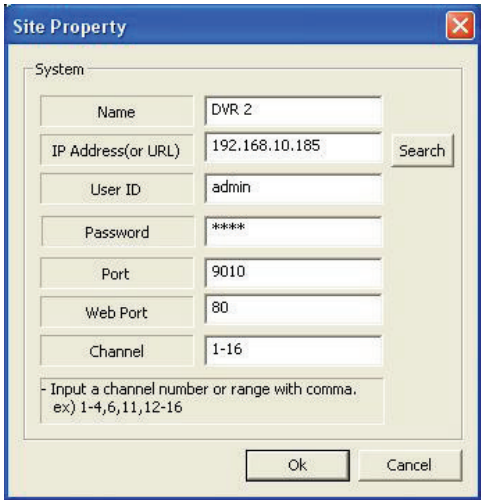
This is to register the relevant products such as DVR, IP camera and IP server in this RMS software, which is the 1st step to run the program.

1) Select the Site Registration icon on the main window and then click the right mouse button on site tree to open [Site Manager] window,
2) At [Site Manager] window, select [Site List] and click [Add] to open [Site Property] window.

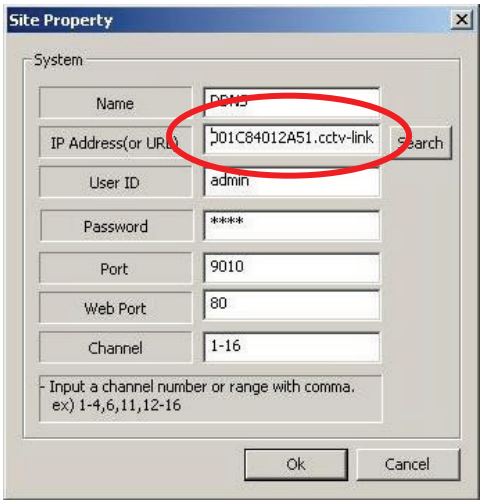




3) Input DVR Name, IP Address, User ID, Password, Port, Web Port and Channel #, and click [OK]. Then, newly-added site will be shown on left panel of main window. Default (TCP/IP) Port # is **9010** while default Web Port # is **80.**



[LAN Connection]



[DDNS Connection]

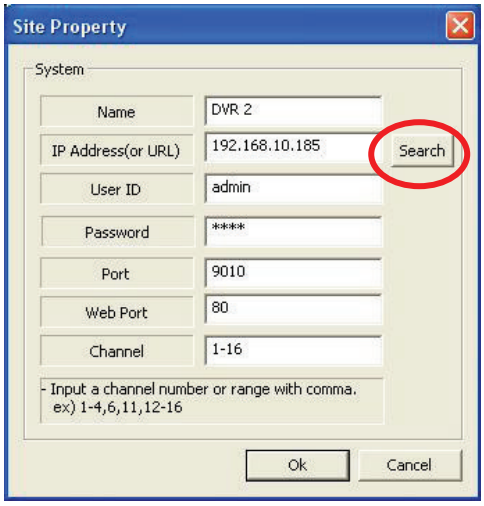
User has to input “Mac address + cctv-link.net” in IP Address (or URL) for DDNS connection. User can find the Mac Address in the menu of [System > System Info] of the DVR.

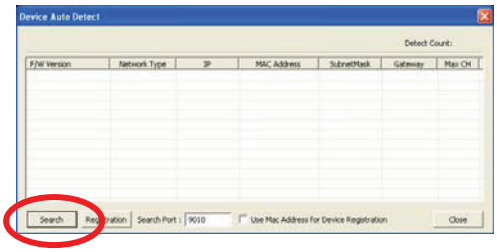
For example, if Mac address is “00:1C:84:01:00:02”, then the right IP Address (or URL) in Site Property shall be “**001c84010002.cctv-link.net**”.

2.2 Site Search

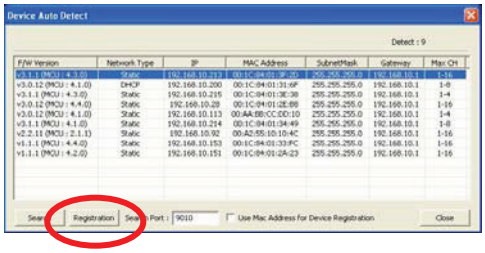
User can easily search multiple sites connected on same network environment.

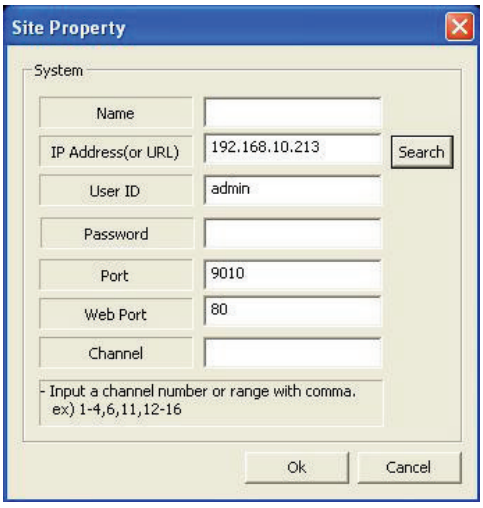
1) Click [Search] at [Site Property] window, then [Device Auto Detect] window will pop up as below.



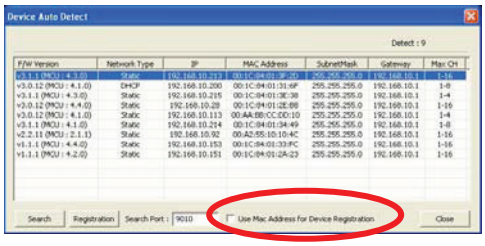


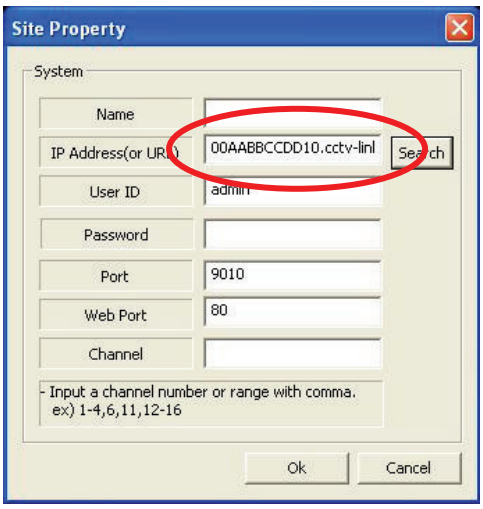
2) Click [Search] again at [Device Auto Detect] window, then all DVRs connected over the network will be listed out.
3) Select the DVR list that you want to register and click [Registration], then full information of selected site will show on [Site Property] window.
4) Input necessary information such as Name, Password and Channel # and click [OK].



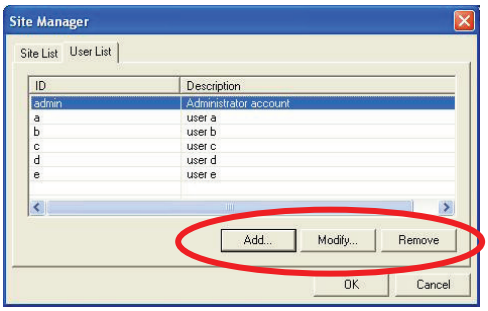


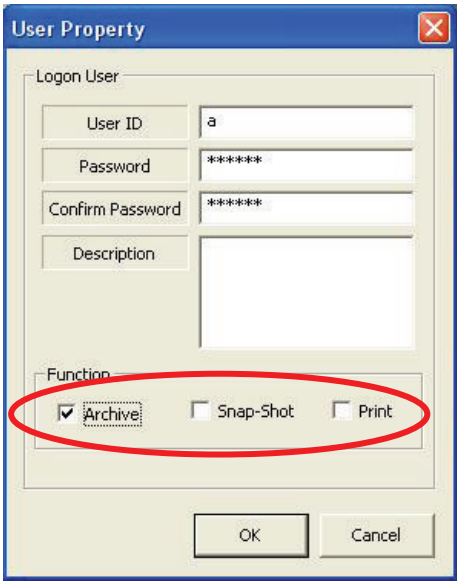
5) If you select [Use Mac Address for Device Registration] and click [Registration], then “Mac address & cctv-link.net” of the selected DVR will be shown in [Site Property] window.





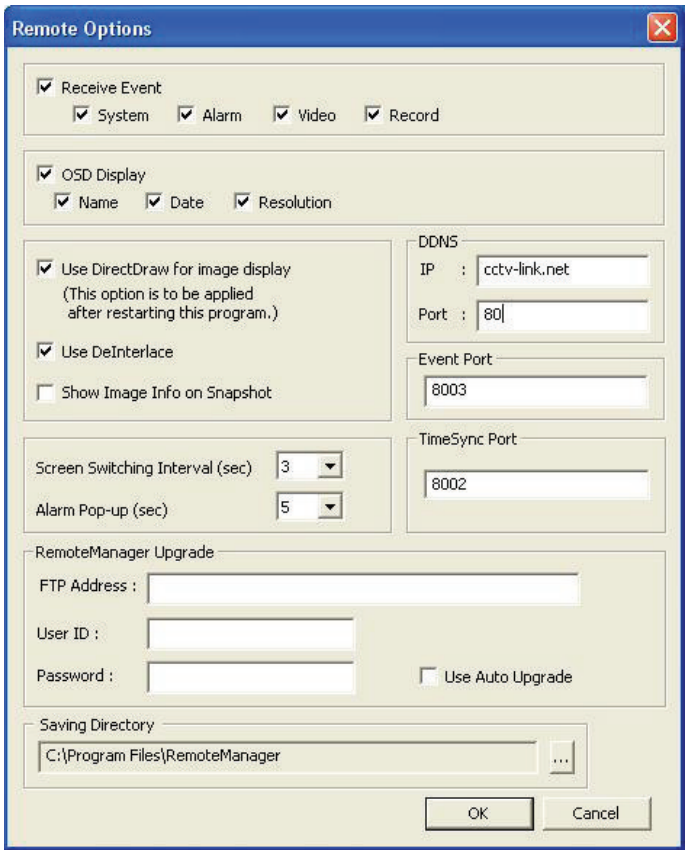
Note 1) After selection of [User List] at [Site Manager] window, user can add or modify or delete user’ property.
2) ADMIN user can assign different level of authority to each user by proper setting at [User Property] window.





2.3 Option Setting

User can select a variety of options for RMS in this menu by a mouse click on Option icon



- **Receive Event**
  Select the type of event to receive from DVR sites

- **OSD Display**
  Select On-Screen-Display information

- **Save File Format for Live Backup**
  Select live backup file format

- **DDNS**
  Setup DDNS IP (or Link) and Port

- **Enable / Disable DirectDraw & De-Interlace**
  If image cannot be displayed properly, disable DirectDraw and then restart RemoteManager software. For Windows Vista / 7, this DirectDraw may be disabled automatically.

- **Use De-Interlace**
  Enable / Disable deInterlace function

- **Screen Switching Interval (sec)**
  Select the screen rotation interval time

- **Alarm Pop-up (sec)**
  Select the alarm pop-up time

- **Event Port**
  Setup the event receiving port

- **Time Sync Port**
  Setup the port for time synchronization

- **Saving Directory**

  Select the folder for saving backup image. Click to browse folder

Note	In case of Windows Vista and Windows 7, saving to some folders might not be available due to the restriction of accounts. Please select the folder that allows Windows login account to approach.

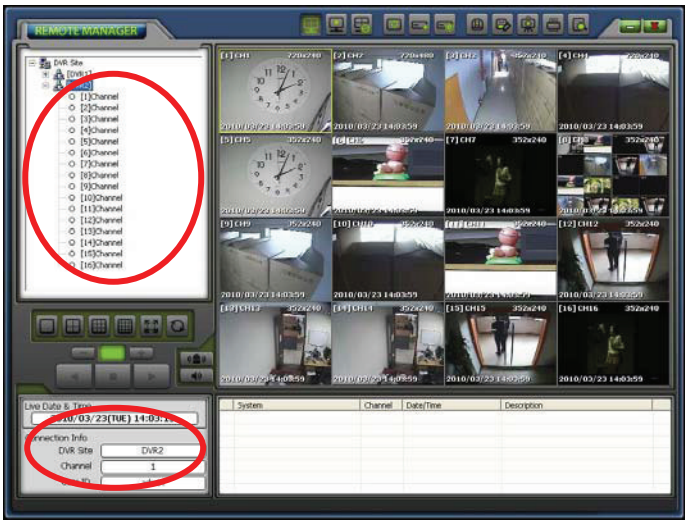
- **Show Image Info Snapshot**
  Add site name, channel title & number, date & time in snapshot.

- **RemoteManager Upgrade**
  The latest version can be upgraded by using FTP server.
  Input FTP address, User ID, Password and check the Use Auto Upgrade check box.
  Once the latest version is detected, a pop-up window will show to confirm upgrade.

3. Live Mode (Live Monitoring)

User can get live monitoring window by a mouse click on Live Mode icon .

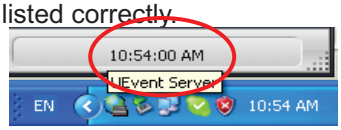
User can select the target site from Site Panel on the left of the main screen and drag & drop it into an empty channel screen that user wants to monitor.



On the left-bottom of the main screen, there is a box that indicates the date & time as well as connection information. Full event list can be displayed on the bottom of the main screen in case that Remote Notify setup is set on DVR side.

System	Channel	Date/Time	Description
192.168.0.231		2007/08/18 15:58:40	Option setup end
192.168.0.231		2007/08/18 15:58:43	Option setup start
192.168.0.231		2007/08/18 15:58:45	Option setup end
192.168.0.231		2007/08/18 15:58:50	Camera connection status changed (Cam On : 2 3 4)
192.168.0.231		2007/08/18 15:58:52	Camera connection status changed (Cam On : 1 2 3 4)

Note If UEventServer.exe(of CMS) is being operated in the same PC, event may not be listed correctly.

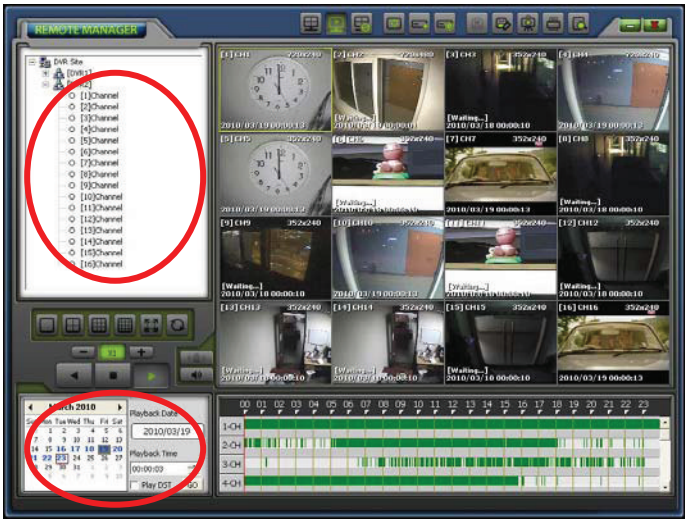


The channel number, resolution and date & time of a connected channel are shown on the channel screen.

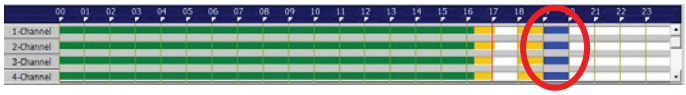
4. Playback Mode (VOD Playback)

User can get playback window by a mouse click on Playback Mode icon .

User can select the target site from Site Panel on the left of the main screen and drag & drop it into an empty channel screen that user wants to playback.



Select the date on calendar and input the desired playback time. User can also search the recorded image by using Intelli-Search bar.



Enable [Play DST] to play the image data overlapped during DST. When DST finishes, “one hour” overlapped data is shown in BLUE color on Intelli-Search bar.

Click forward/backward icon or speed icon to adjust playback speed.

The channel number, resolution and date & time of a connected channel are shown on the channel screen.

5. Remote Configuration

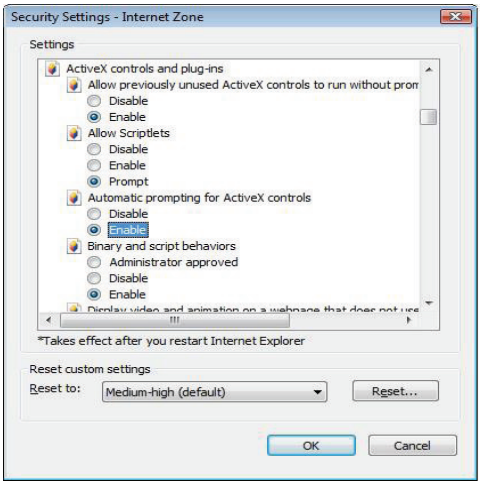
There are three categories in Remote Configuration section, **Web Configuration, Web Monitoring and Web Playback.**

Click Remote Configuration icon to open Login window.

5.1 Web Login

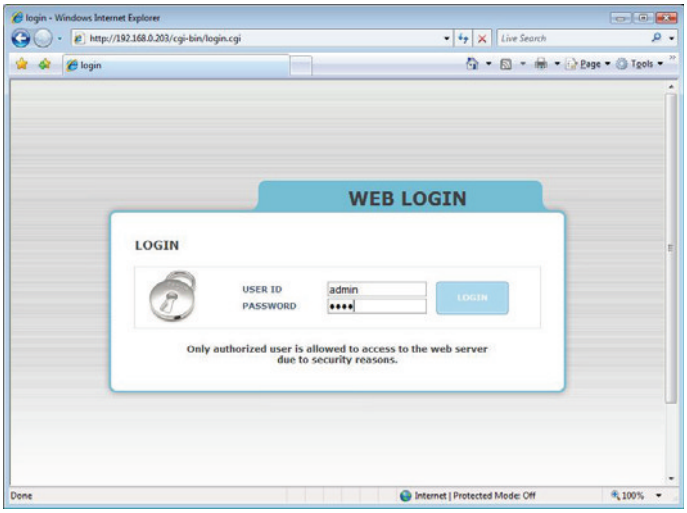
User has to download Active-X file from DVR and install it at workstation P/C before getting into login window.

Internet Explorer - Security Warning
Do you want to install this software?
Name: Web Monitoring Plug-In 2.0.0.1
Publisher: Yes Communication
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?



In order to download Active-X file from DVR without any problem, “Security Setting” of IE web browser has to be properly made. Select “Tools > Internet Options > Security > Internet > Custom Level” in IE menu and enable all Active-X controls and plug-in as below photo.

After allowing the download of the Active-X file, user can find the log-in page view as below. Default USER ID and PASSWORD follow those of DVR, “admin” and “1234”.



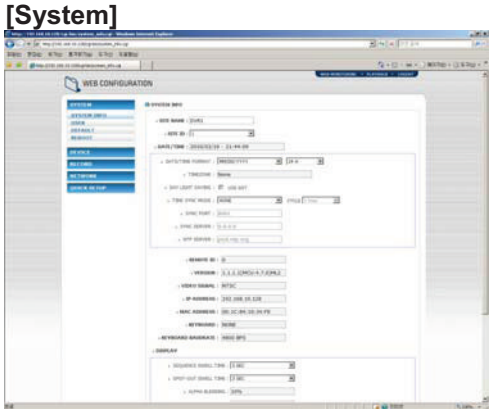
5.2 Web Configuration

After log in with the right ID and password, user can make various settings in Web Configuration window as below. This Web Configuration is only available to “admin” account.

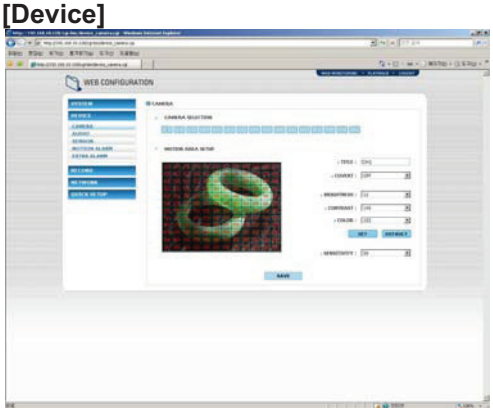
[Menu of Web Configuration]

Main Classification	Sub Classification
SYSTEM	SYSTEM INFO
	USER
	FACTORY DEFAULT
	SYSTEM REBOOT
DEVICE	CAMERA
	AUDIO
	SENSOR
	MOTION ALARM
	EXTRA ALARM
RECORD	CAMERA
	SCHEDULE
NETWORK	NETWORK
	DDNS
	NOTIFICATION
QUICK SETUP	QUICK SETUP

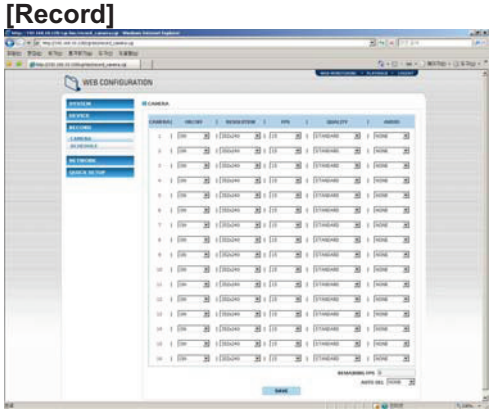
[System]



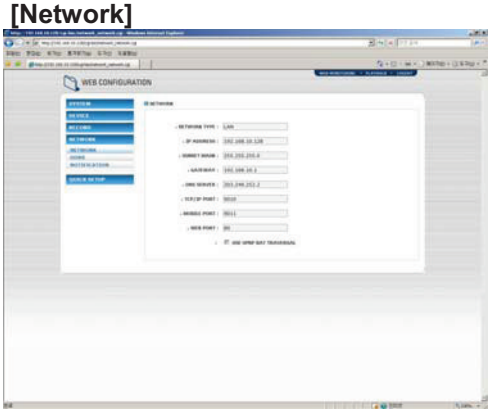
[Device]



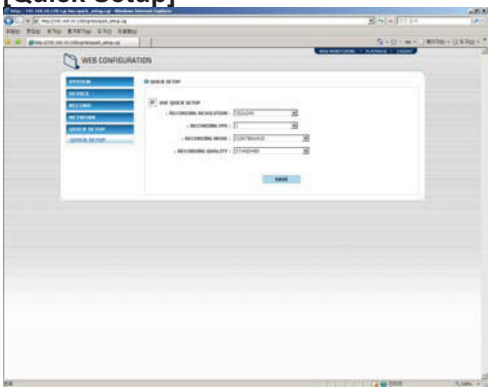
[Record]



[Network]



[Quick Setup]

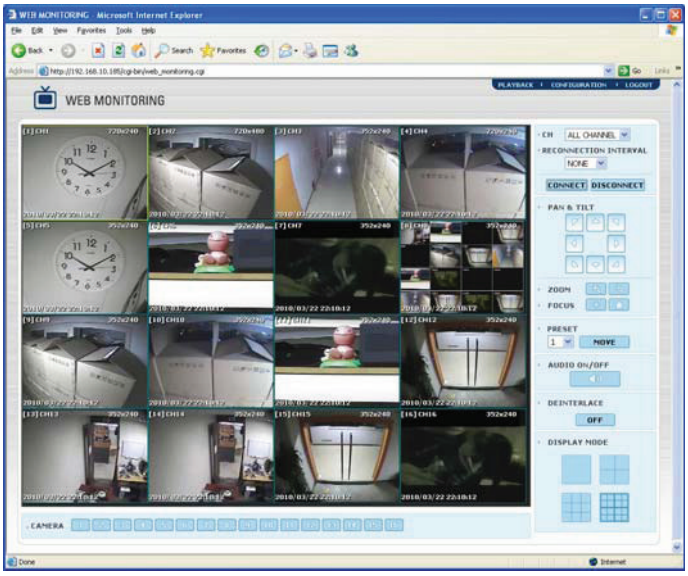


Note	In this remote configuration section, user can not change setting about time & date, system information, display resolution, alpha blending, and network information.

Note	System Reboot enables user to reboot the system without any change of the setup. User can use this function when the network is disconnected due to abnormal operation of the system and try to reconnect. However, IP number assigned to the system may be changed in case of DHCP mode.

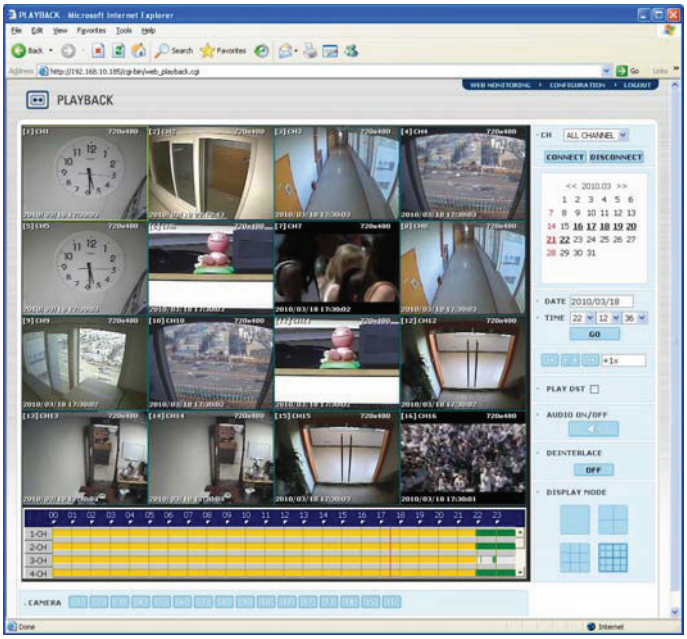
5.3 Web Monitoring

After login, select any registered devices to want to view.
User can get into web monitoring by clicking “WEB MONITORING” button in the right-top corner of the window. In order to connect to DVR, user has to select the number of channel or select “ALL CHANNEL” as below, and then click “CONNECT” button.



5.4 Web Playback

User can remotely playback the DVR images by clicking “PLAYBACK” button in the right-top corner of the window. In order to connect to DVR, user has to select the number of channel or select “ALL CHANNEL” and then click “CONNECT” button.



6. Network Backup

By a mouse click on Network Backup icon , user can backup video data for both live image and the recorded image into RemoteManager P/C over the network

6.1 Live Backup

Under live connection mode, click the channel screen to select a camera for live backup. The chosen camera will be indicated by yellow border line.

1) Select Network Backup icon
2) The software will start saving live image and [Recroding…] will be displayed on selected channel.
3) Click Network Backup icon again to stop saving, then following message box will be shown.

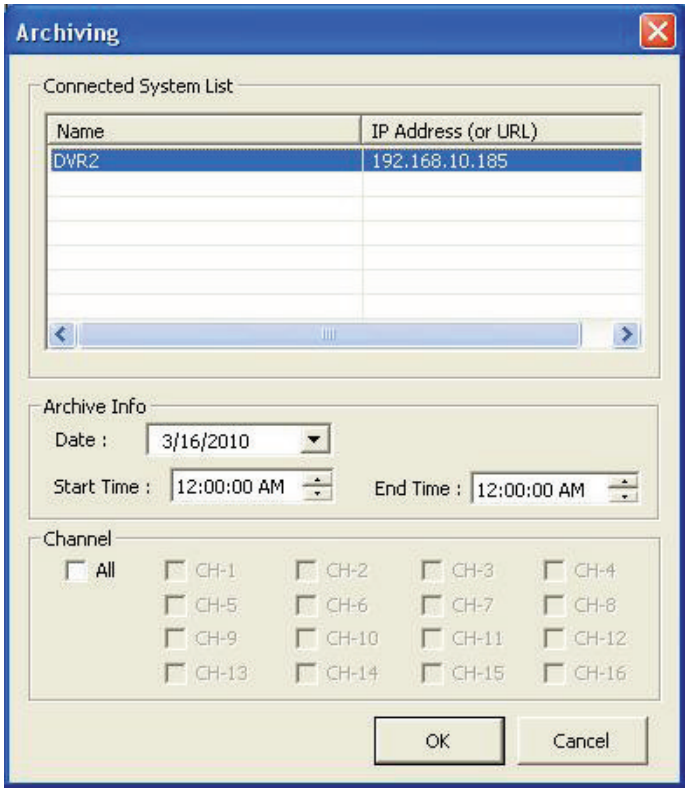
User can change the save folder at the menu of [Setting > Remote Options > Saving Directory].

[Saving Folder]

- For Windows XP : X:\Program Files\RemoteManager\ArchiveData\ [DVR site name] \ [Date] \
- For Windows Vista / 7 : X:User\[login account name]ArchiveData\ [DVR site name] \ [Date] \
- Video clip file name : hhmmssxx.ssf (xx+1 is channel number) ex.) Ch 3 at 11:45:32AM => 11453202.ssf

6.2 VOD Backup

1) Go to the Playback Mode and playback the desired video channel.
2) Select the Network Backup icon
3) In the connected System List, select the DVR site and then select [Playback Backup].
4) Select Date, Channel, Start Time, and End Time.

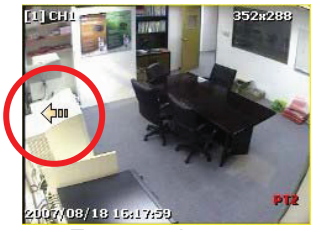


7. Utility Function

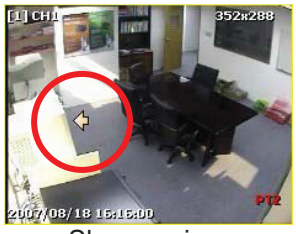
7.1 PTZ Control

Select PTZ Camera Control icon , then following window will pop up.

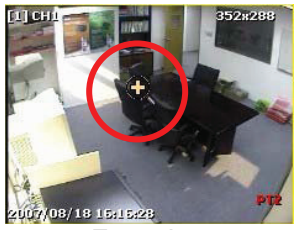
- PTZ Control : Camera can be moved up, down, left and right
- Focus/Zoom : Adjust focus of the lens, zoom in & out
- Preset : Setup the preset location
- Speed : Adjust movement speed of the camera
- Virtual PTZ : If user positions mouse cursor on the channel screen which PTZ camera is connected to, then the icon of mouse cursor will be changed depending on the position as below.



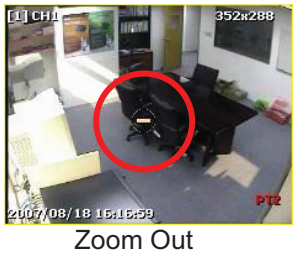
Fast moving



Slow moving



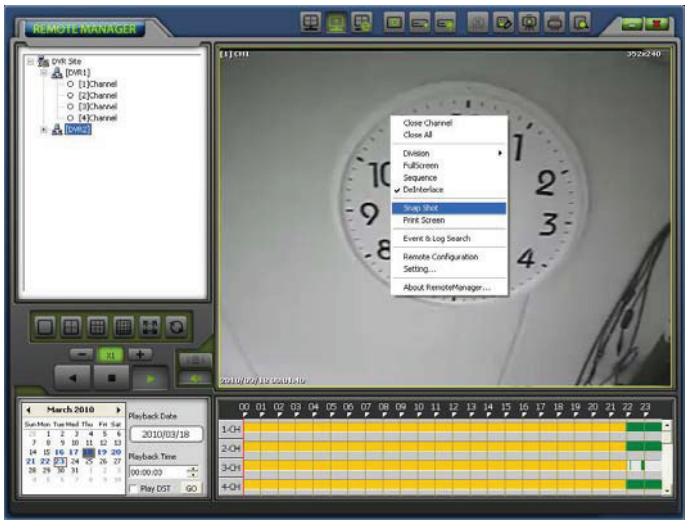
Zoom In



Zoom Out

7.2 Save This Scene (Saving Snapshot)

1) Connect the desired channel either in Live Mode or Playback Mode.

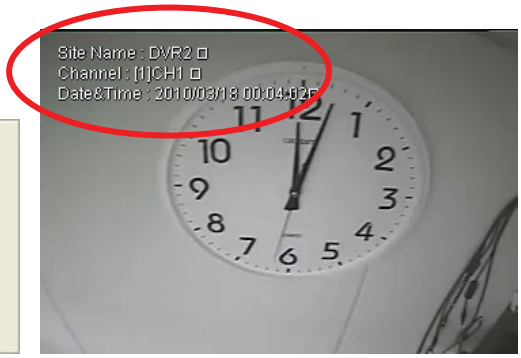


2) Select the Saving Snapshot icon

3) Designate the folder for image saving in P/C. Image can be saved in JPEG, PNG or BMP format.

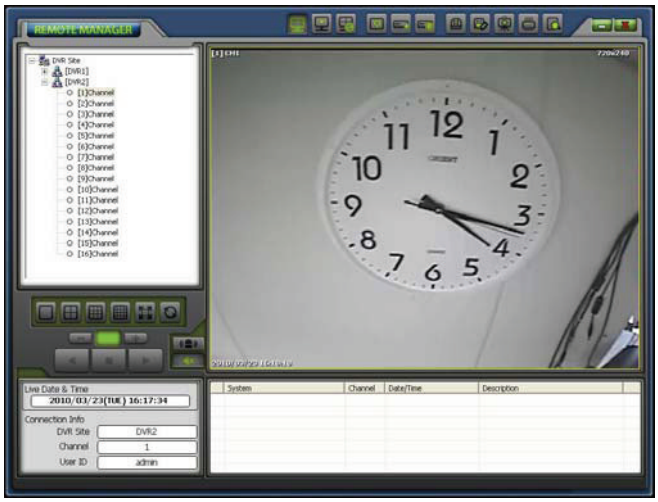
4) User can select the option “Show Image Info on Snapshot” in Remote Option.
Site name, channel title & number, date & time will be displayed in snap-shot image.

Use DirectDraw for image display
(This option is to be applied
after restarting this program.)
Use DeInterlace
Show Image Info on Snapshot

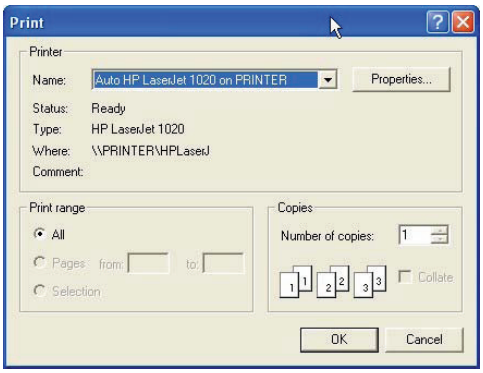


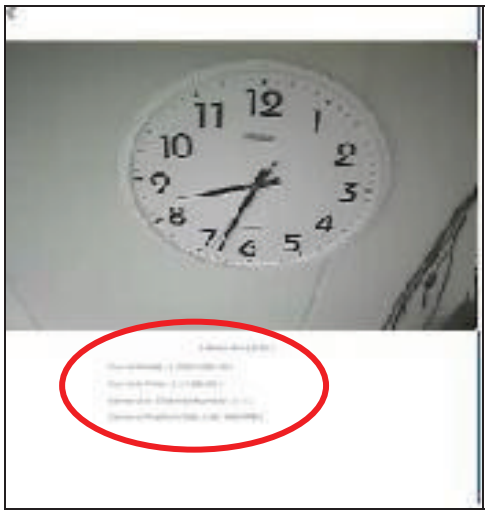
7.3 Print This Scene (Still-Image Printing)

1) Connect to the desired channel either in Live Mode or Playback Mode



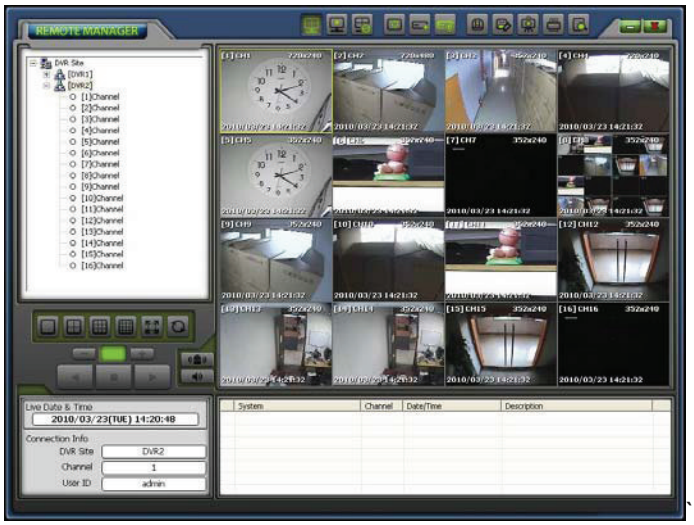
2) Select Print This Scene icon
3) Select a printer to print out the image.
4) Recording Information will be printed with the image
Current Date, Current Time, Camera or Channel Number, Camera Position/Site



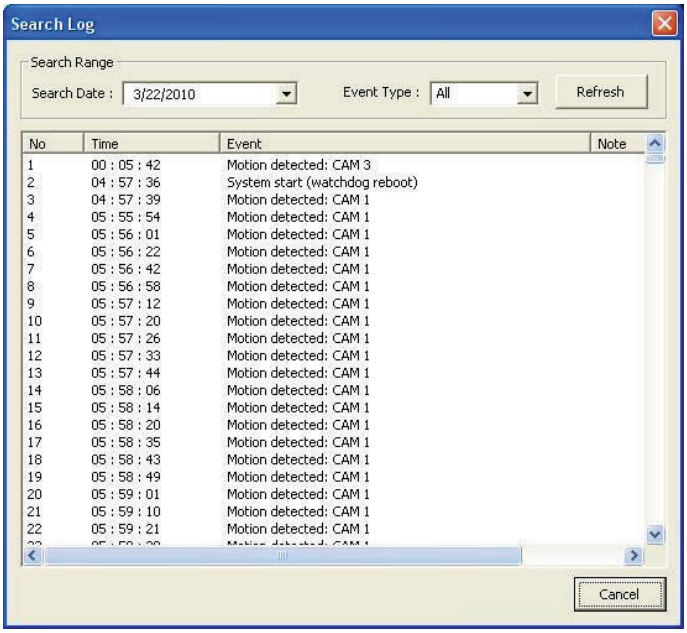


7.4 Log View

1) Connect the desired DVR site in either Live Mode or Playback Mode.



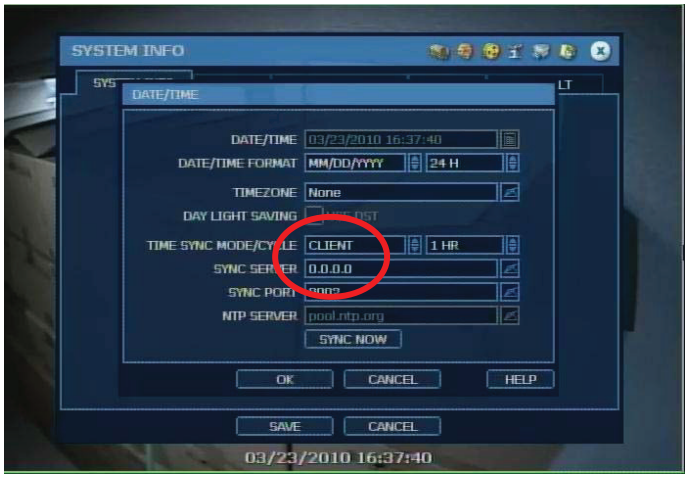
2) Select Log View icon
3) Input Search Date, Event Type and then click [Refresh] to get log list.


Search Log
Search Range
Search Date : 3/22/2010
Event Type : All
Refresh
No
Time
Event
Note
1 00 : 05 : 42 Motion detected: CAM 3
2 04 : 57 : 36 System start (watchdog reboot)
3 04 : 57 : 39 Motion detected: CAM 1
4 05 : 55 : 54 Motion detected: CAM 1
5 05 : 56 : 01 Motion detected: CAM 1
6 05 : 56 : 22 Motion detected: CAM 1
7 05 : 56 : 42 Motion detected: CAM 1
8 05 : 56 : 58 Motion detected: CAM 1
9 05 : 57 : 12 Motion detected: CAM 1
10 05 : 57 : 20 Motion detected: CAM 1
11 05 : 57 : 26 Motion detected: CAM 1
12 05 : 57 : 33 Motion detected: CAM 1
13 05 : 57 : 44 Motion detected: CAM 1
14 05 : 58 : 06 Motion detected: CAM 1
15 05 : 58 : 14 Motion detected: CAM 1
16 05 : 58 : 20 Motion detected: CAM 1
17 05 : 58 : 35 Motion detected: CAM 1
18 05 : 58 : 43 Motion detected: CAM 1
19 05 : 58 : 49 Motion detected: CAM 1
20 05 : 59 : 01 Motion detected: CAM 1
21 05 : 59 : 10 Motion detected: CAM 1
22 05 : 59 : 21 Motion detected: CAM 1
Cancel

7.5 Time Sync

RemoteManager P/C can act as a TIME SYNC SERVER for multiple client DVR(s) under same network environment.

1) Go to the DVR Menu of [SYSTEM > SYSTEM INFO > DATE/TIME SET > TIME SYNC MODE] and then select [CLIENT].



2) Input yhe IP address of RemoteManager P/C.
3) DVR will act as a Client and its time clock will by synchronized as the time clock of of RemoteManager P/C by the interval time set in SYNC CYCLE.

7.6 User Authorization

Level of authority for users in DVR and RemoteManager
Level of user authority is linked up between DVR and RemoteManager Software. An administrator can set up users with different levels of authority for operating the DVR and RemoteManager Software

A) Users in DVR's user List
Administrator (admin) of DVR can assign each user's authority in DVR's operation.
1) Login the DVR as admin, then add or modify user's authority.
2) If a user has been restricted with certain permissions on the DVR, the same restrictions will also be applied to the operation of RemoteManager.

* Live and playback of each channel
* Search
* PTZ control
* Backup

B) Users in RemoteManager's user List
Administrator (admin) of RemoteManager can assign each user's authority.
1) Login to the RemoteManager as admin, then add or modify user's authority.

* DVR Site Registration (add / modify DVR sites in RemoteManager)
* Backup (backup a live video to a remote PC)
* Snapshot (save a live image or VOD image to a remote PC)
* Printing (print out live image or VOD image)

2) The authority of a certain user for RemoteManager is governed by the permission level set in both DVR and RemoteManager, that is, such a user will be restricted according to the authority setting set in DVR (mentioned in A) and RemoteManager (mentioned in B) as well.

Note	Remote user should be pre-registered in DVR with designated permission level. If a user has been registered in RemoteManager only (not in DVR), then such user can not be connected to the DVR via RemoteManager

8. Appendix (Q & A)

Q : Cannot connect to the Server.
A : First, check the network environment. Also, check if the DVR server IP is correctly entered. If server does not support corresponding connection method, connecting will not be possible. Refer to the error message if it appears.

Q : Connection is repeatedly cut
A : Check the network. If the network status is not stable or if there is defect in the LAN card, the connection may repeatedly cut out

Q : Sometimes a **pink colored screen would be shown while in the sequencing screen mode.**
A : This happens when the VGA of some PC does not support Direct X efficiently. Try to change your VGA card. Or disable DirectDraw in < RemoteManager Setting>.

Q : Full screen mode does not support One- screen mode.
A : Requires a VGA card that supports the Direct X to see Full One Screen Mode. Try disabling DirectDraw in <RemoteManager Setting>.

Q : The screen blinks while sequencing to other screen from Full One Screen Mode.
A : There would be a bit of delay while changing the screen mode to 640×480 for better picture quality of image.

Q : The screen broke during the one-screen mode.
A : There could be roughly about 2 reasons. The first reason is when the VGA card does not support Direct X efficiently. The second reason is if the setting is done incorrectly even when the VGA card is supporting Direct X. Check if “Screen Pixel” is set to high in the registry information for the VGA card and it down to 60 Hz.

Q : The logo would not come out or part of the logo would be broken while returning to multiple screen modes from 1 screen mode after starting the RemoteManager.
A : It happens when the VGA card is lacking of memory. The memory of the VGA should be at least 64MByte.
Try disabling DirectDraw in < RemoteManager Setting>.

Q : Image cannot be displayed properly.
A : Disable DirectDraw in < RemoteManager Setting> and restart RemoteManager again.

>>>>> The End <<<<<